For Assignment 3 section 3 Binary Trees The task was to implement a class named BinaryTreeStringList which implements 2 methods, ‘’Add’’ and ‘’Find’’. After adding my list of strings to the list and using the ‘’find’’ method to search for a string in that list the results were as follows:

The list that I used is.

arrlist = [**'Victor'**,**'Zulu'**,**'Charlie'**,**'Mike'**,**'Whiskey'**,**'Quebec'**, **'Golf'**,**'Papa'**,  
 **'Juliet'**, **'Kilo'**,**'Yankee'**,**'Delta'**,**'November'**,  
 **'Oscar'**,**'India'**, **'Foxtrot'**,**'Romeo'**,**'Alpha'**,  
 **'Tango'**,**'Uniform'**,**'Sierra'**, **'Echo'**, **'X-ray'**,  
 **'Lima'**, **'Bravo'**]

I used the pythons timeit to search for the String value ‘Yankee’

t = timeit.Timer(**"root.find('Yankee')"**, **"from \_\_main\_\_ import root"**)

and the results were:

0 **2.394**7640195258794e-05

1 **2.180**945803496783e-05

2 **2.180**945803496783e-05

3 **2.138**182160290964e-05

4 **2.180**9458034967845e-05





